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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,214	11/17/2008	Andrew David Wright	033335R048	4809
441 7590 09/28/2011 SMITH, GAMBRELL & RUSSELL 1130 CONNECTICUT AVENUE, N.W., SUITE 1130 WASHINGTON, DC 20036				
EXAMINER				
LE, VIET				
ART UNIT		PAPER NUMBER		
3752				
MAIL DATE		DELIVERY MODE		
09/28/2011		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary**Application No.**

10/595,214

Applicant(s)

WRIGHT, ANDREW DAVID

Examiner

VIET LE

Art Unit

3752

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) ☒ Claim(s) 1-7 is/are pending in the application.
- 5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-7 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☒ The drawing(s) filed on 24 March 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-C100)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____
- Paper No(s)/Mail Date 03/24/2008; 01/25/2010

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "outlet" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-7 rejected under 35 U.S.C. 102(b) as being anticipated by Bobrick (U.S. 2,283,529).

Regarding claim 1, Bobrick discloses a metering chamber having an axis (8), a piston arrangement (10) with a piston stroke along the axis with a seal portion (16) of the slidably engageable with an inside surface of a side portion of the metering chamber, an inlet (9) for fluid to enter the metering chamber, and an outlet (11) for fluid to be dispensed from the metering chamber, wherein the inlet is provided on the side body portion of the metering chamber and during a first portion of the piston stroke, the inlet is in fluid communication with the metering chamber (fig.1) and during the second portion of the piston stroke, the seal portion of the piston arrangement blocks the inlet (Fig. 2).

Regarding claim 2 and 3, Bobrick discloses a resilient means in the form of a spring (18) provided between the piston arrangement and the end portion of the chamber.

Regarding claim 4, Bobrick discloses the inlet is connectable to a reservoir of fluid (3).

Regarding claim 5, Bobrick discloses the reservoir of fluid is a container attachable to the dispensing apparatus (R).

Regarding claim 6, Bobrick discloses the piston arrangement comprises a first portion and a piston seal (16), the piston seal being arranged to slidably engage and seal against the inside surface of the metering chamber and to be movable relative to the first portion of the piston arrangement, such that during a second portion of the piston stroke when the pressure in the metering chamber exceeds a particular level, the first portion and the piston seal move relative to each other to open an outlet for fluid to be dispensed. Specifically the piston moves relative to part (14) and allows the opening to the outlet (15) to be exposed.

Regarding claim 7, Bobrick discloses during a second portion of the piston stroke with the piston arrangement moving away from the end portion of the metering chamber and with the seal portion of the piston arrangement blocking the inlet, the pressure within the metering chamber reduces, creating a vacuum in which fluid is drawn through the inlet into the metering chamber (Page 2, Column 1, Lines 37-47).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ouyoung (U.S. 6,776,310), Micallef (U.S. 4,674,659), Poltras et al. (U.S. 3,952,918), and Bates (U.S. 1,283,457) directed to dispensers with side inlets.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIET LE whose telephone number is (571)270-1548.

The examiner can normally be reached on Monday-Thursday 8AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Len Tran can be reached on (571)272-1184. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VIET LE/
Examiner, Art Unit 3752

09/16/2011

/Dinh Q Nguyen/
Primary Examiner, Art Unit 3752